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## WOOD DIAPHRAGMS

# IR 23-2

References:  
2001 California Building Code, Sections 2315A

Revised 11-01-07  
Issued 09-01-99

Discipline: Structural

This Interpretation of Regulations (IR) is intended for use by the Division of the State Architect (DSA) staff, and as a resource for design professionals, to promote more uniform statewide criteria for plan review and construction inspection of projects within the jurisdiction of DSA, which include State of California public elementary and secondary schools (grades K-12), community colleges, and state-owned or state-leased essential services buildings. This IR indicates an acceptable method for achieving compliance with applicable codes and regulations, although other methods proposed by design professionals may be considered by DSA.

This IR is reviewed on a regular basis and is subject to revision at any time. Please check the DSA web site for currently effective IR's. Only IR's listed in the document at <http://www.dsa.dgs.ca.gov/Pubs/default.htm> (click on "DSA Interpretations of Regulations Manual") at the time of plan submittal to DSA are considered applicable.

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**Purpose:** The provisions of this Interpretation of Regulations (IR) provide additional requirements related to the design and construction of wood diaphragms for projects submitted to DSA under the 2001 CBC.

**1. PARTIAL BLOCKING OF HORIZONTAL DIAPHRAGMS:** Blocking edges of plywood only in the higher stressed areas of a roof diaphragm is allowed under the following conditions:

1. The blocking portion at each end is extended to 1/10 of the diaphragm length (span) past where it is not required, or at least to one-half the diaphragm depth.
2. The maximum span/depth ratio is the same as required for an unblocked diaphragm.